

Proposal Full View

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Applicant Information

Organization Name City of Palmdale *
 Tax ID **954753654**
 Proposal Name Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project *
 Proposal Objective The objective of the project is to channelize a portion of the Amargosa Creek, construct eight recharge basins, and expand habitat protection and recreational space to prevent flood damages, provide a reliable water supply to meet the Antelope Valley Region's future water demand, and provide habitat protection and recreational public space. *

Budget

Other Contribution	\$0.00
Local Contribution	\$6,983,322.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$6,500,000.00 *
Total Project Cost	\$13,483,322.00 *

Geographic Information

Latitude * DD(+/-) MM SS
 Longitude * DD(+/-) MM SS
 Longitude/Latitude Clarification
 County Los Angeles *
 Ground Water Basin Antelope Valley
 Hydrologic Region South Lahontan
 Watershed Antelope Valley

Legislative Information

Assembly District 34th Assembly District *
 Senate District 18th Senate District *
 US Congressional District District 22 (CA) *

Project Information

Project Benefits Information

Project Name Upper Amargosa Flood Control, Recharge, and

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	0	Soilcrete embankments and diversion structures
Primary	Erosion Control-Bank Restoration/Stabilization	0.50	Soilcrete embankments
Primary	Other-New Water Supply Facilities	22.30	New recharge basins that augment groundwater aquifer used for potable supply
Primary	Conveyance-Water Supply Enhancement	24600	New conveyance pipe from SWP Aqueduct to recharge basins
Primary	Water Storage -- Groundwater-Recharge area developed	25000	Development of 2 off-channel and 2 in-channel recharge basins
Secondary	Wildlife Corridor/Habitat Linkage	25	Protection of medium-sized mammal movement corridor
Secondary	Ecosystem: Riparian Habitat	25	Restoration of riparian habitat
Secondary	Interpretive Enhancements-General Public Recreation	0	Nature park bike paths and public walkways
Secondary	Interpretive Enhancements-Educational	0	Educational kiosks to explain conservation and local ecosystems
Secondary	New/enhanced public parks	0	New nature park, picnic area, bike paths, and

			public walkways
Secondary	Trail construction/Improvement	0.50	New nature trail/public walkways
Secondary	Groundwater Management-Water level measurements taken	0	Monitoring of groundwater levels
Secondary	Site Amenities/ Access Improvements (benches, parking, piers, etc..)	0	New public park facilities, solar-powered lights, benches, walkways, educational kiosks
Secondary	Watershed Protection-Land Protected	25	Habitat restoration and protection
Secondary	Training and Outreach	0	New nature park provides outreach opportunities to local community

Budget

Other Contribution	0
Local Contribution	6983322
Federal Contribution	0
Inkind Contribution	0
Amount Requested	6500000
Total Project Cost	13483322

Geographic Information

Latitude DD(+/-)	34	MM 47	SS 7
Longitude DD(+/-)	-118	MM 3	SS 59
Longitude/Latitude Clarification	Location		

County	Los Angeles
Ground Water Basin	Antelope Valley
Hydrologic Region	South Lahontan
WaterShed	Antelope Valley

Legislative Information

Assembly District	34th Assembly District
Senate District	18th Senate District
US Congressional District	District 22 (CA)

Section : Applicant Information Question Tab

APPLICANT INFORMATION QUESTION TAB

01. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project (Amargosa Project) is proposed by the City of Palmdale (City), an accredited agency of the American Public Works Association (APWA). The Amargosa Project proposes to provide flood protection by confining Amargosa Creek stormwater flows within channel berms that prevent erosion damage to nearby utilities, local streets, and eliminating a public safety hazard. The project also provides the City with additional water supplies from increased groundwater recharge, native habitat restoration, and additional community/park areas within the Amargosa Creek Watershed. The bottom of the channel will remain as a soft, natural surface. The flood protection berms consist of soilcrete embankments between 20th Street West and 25th Street West that will protect both sides of the creek from further erosion and property damage, including: ??? 30-inch diameter sewer trunk line near Elizabeth Lake Road ??? 24-inch diameter water supply pipe ??? 6-inch diameter natural gas pipe ??? Future 20th Street Bridge ??? Potential safety hazards posed to pedestrians along Amargosa Creek and nearby streets. Some flood protection will also be provided by the recharge facilities, which include diversion structures and spreading basins with a maximum capacity of 100 cubic feet per second (cfs) during storm events. In addition, a 500-foot stormwater conveyance pipe will be constructed to connect the 25th Street West storm culvert directly to the recharge basins to prevent the continued formation of an existing 10-foot deep natural channel that poses an ongoing threat to pedestrians. The recharge component of the Amargosa Project includes the construction of eight basins (six ???off-channel??? and two ???in-channel???) to recharge groundwater within an area of about 20 acres along Amargosa Creek. The project will use two sources of water to recharge the underlying aquifer: 1) untreated State Water Project (SWP) water and 2) stormwater runoff from the Amargosa Creek Watershed. The project is ideally located just downstream of the California Aqueduct where only minimal infrastructure would be necessary to convey SWP water from the aqueduct to the recharge basins. Assuming recharge basins would be out of operation during the summer months when SWP water and stormwater would not be available, it is anticipated the project would recharge 14,600 to 53,600 acre-feet per year (AFY) of SWP water depending on available supply, with an average of approximately 25,000AFY. Stormwater collection and conveyance facilities would be installed to direct existing upslope municipal stormwater flows into the proposed recharge basins in Amargosa Creek. It is anticipated the project will capture and recharge approximately 400 AFY of stormwater, depending on annual precipitation and rainfall patterns. Lastly, the project will integrate the recharge facilities with a proposed Nature Park at Amargosa Creek. The project will restore 25 acres of habitat along Amargosa Creek to reestablish Mojave Desert scrub, native vegetation, and wildlife habitat to enhance the biological environment of the area. The proposed restoration efforts will include: 1) removing trash from the site; 2) planting native plants; 3) installing a temporary irrigation system to establish newly planted vegetation; and 4) removing invasive and non-desirable plant species. The restoration area would serve to educate the public regarding water supply infrastructure, urban watershed issues, and native plants and wildlife. The restoration area will include a bike path and footpaths to encourage public access and will include educational storyboards and placards identifying the types of plants and wildlife that are native to the region. The project will also provide footpaths and bike paths for a safe and direct route to and from local schools for existing pedestrian traffic.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Mike Mischel, Director of Public Works, City of Palmdale mmischel@cityofpalmdale.org (661) 267-5100 38250 Sierre Highway Palmdale, CA 93550

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Gordon Phair, Utilities Service Manager, City of Palmdale gphair@cityofpalmdale.org (661) 267-5310 38250 Sierre Highway Palmdale, CA 93550

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

Applicant: Gordon Phair, Utilities Service Manager, City of Palmdale gphair@cityofpalmdale.org (661) 267-5310 38250 Sierre Highway Palmdale, CA 93550 Person filling out online application: Brian Dietrick, RMC Water and Environment bdietrick@rmcwater.com (310) 566-6479 2400 Broadway, Suite 300 Santa Monica, CA 90404

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

South Lahontan

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD (S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

South Lahontan RWQCG - Region 6

Q7. ELIGIBILITY

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes, Antelope Valley Region.

Q8. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes, City of Palmdale is a local agency.

Q9. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

City of Palmdale is not an Urban Water Supplier therefore does not have to submit a self certification form. Questions 10 & 11 below are not applicable for this project.

Q10. ELIGIBILITY

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

N/A

Q11. ELIGIBILITY

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

N/A

Q12. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

Yes, includes groundwater recharge project. Project: Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project Implementing Agency: City of

Palmdale Comment: The Amargosa Project consists of multiple proposed improvements, one of which includes building spreading grounds to increase the natural recharge of the underlying aquifer. This project would positively impact the groundwater basin by recharging in an area with the lowest regional groundwater levels.

Q13:
ELIGIBILITY

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

The City is a participant in the Antelope Valley Integrated Regional Water Management Plan (IRWMP) that also meets the requirements for an AB 3030 Plan. The Antelope Valley IRWMP serves as the Antelope Valley's groundwater management plan for the whole basin. The Antelope Valley IRWMP is provided in Appendix A, and reference to the Groundwater Management Plan can be found on Page 1-24 of that document.

Q14:
ELIGIBILITY

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

- a) Yes
- b) No

Q15:
ELIGIBILITY

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

Q16:
ELIGIBILITY

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

NOTES TO BMS
ADMINISTRATOR

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY
REQUIREMENTS

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_SWF_Eligible_1of2.pdf

Upload additional Authorization and Eligibility documentation here.
Last Uploaded Attachments: Att1_SWF_Eligible_2of2.pdf

Upload additional Authorization and Eligibility documentation here. Upload additional Authorization and Eligibility documentation here.
Last Uploaded Attachments: Att3_SWF_WorkPlan_6of6.pdf

Upload additional Authorization and Eligibility documentation here.

ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL
ADOPTION

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_SWF_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here. Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here. Upload additional Proof of Formal Adoption documentation here.

ATTACHMENT
3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_SWF_WorkPlan_1of6.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_SWF_WorkPlan_2of6.pdf

Upload additional work plan components here.

Upload additional work plan components here.

Last Uploaded Attachments: Att3_SWF_WorkPlan_3of6.pdf

Last Uploaded Attachments: Att3_SWF_WorkPlan_5of6.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_SWF_WorkPlan_4of6.pdf

ATTACHMENT 4: BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_SWF_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_SWF_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_DReduc_1of3.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_SWF_DReduc_2of3.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_SWF_DReduc_3of3.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att9_SWF_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att10_SWF_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att11_SWF_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att12_SWF_AB1420_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Last Uploaded Attachments: Att13_SWF_SWResources_1of1.pdf

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.